

STATEMENT OF BASIS

CITY OF CHEHALIS WASTEWATER TREATMENT PLANT NDPES PERMIT NO. WA0021105

The purpose of this statement of basis is to explain the need to modify the discharge permit and provides the basis for changes to its limitations and conditions.

I. GENERAL INFORMATION

Permittee: City of Chehalis
1191 Northwest Shoreline Drive
Chehalis, WA 98532

Discharge Location: Chehalis River, River Mile 74.3
Latitude: 46° 39' 38"N
Longitude: 122° 59' 03"W

II. REQUEST FOR MODIFICATION

The City of Chehalis has completed installing four additional monitoring wells at the poplar plantation per the Department of Ecology's request. The wells were needed to properly characterize the ground water in the area of the poplar plantation. The City also completed a report done by Robinson and Noble Saltbush Inc, titled: Addendum Hydrologic Assessment for the Hamilton Ranch Property, September 2005. The report described the installation and development of the wells and the decommissioning of two wells to the north which were screened in low permeability clay. The report also discussed the direction of groundwater flow in the area.

There are now five monitoring wells installed around the poplar farm and an existing sixth well located south of Highway 6. The five monitoring wells located within the poplar plantation will be used for collecting ground water samples and the sixth Hamilton South monitoring well will only be used to collect static water elevation data.

In addition to the monitoring wells two river stage elevation stations were established on the Chehalis River to record river stage at the time of the ground water sampling. River Station One is located southwest of the project where route 603 crosses the Chehalis River. River Station Two is located downstream where highway 6 crosses the Chehalis River. River water-level elevations will be used to define the hydraulic relationship of river and the shallow aquifer beneath the poplar plantation.

In addition, total iron has been added to the parameter list for the monitoring wells.

The City of Chehalis National Pollutant Discharge Elimination System (NPDES) permit and DMR will be modified to add the additional monitoring wells to the permit and remove the decommissioned wells as well as add the two river stations.

This statement of Basis will serve as an amendment to the Fact Sheet and Permit.